

National University of Computer and Emerging Sciences



Punjab Police Prisoner Management System

**Software Engineering BCS-7E**

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# Testing

## Component ID Reference Table

|  |  |
| --- | --- |
| **Component ID** | **Component Name** |
| 1 | Prisoner Transfer Management |
| 2 | Visitor Management |
| 3 | Beneficiary Management |
| 4 | Complaint Management |
| 5 | Community Task Management |
| 6 | Prisoner Profile Management |
| 7 | User Management |
| 8 | Crime Management |
| 9 | Asset Management |
| 10 | Imprisonment Management |
| 11 | Court Visit Management |

## **Test Cases**

### User Login

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Management** | | | | | |
| **7** | | | | | |
| Test Case ID: | | *1* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Login to the system* |
| Revision History: | | *-* | | | |
| Objective | | *User should be able to login.* | | | |
| Product/Ver/Module: | | *Login module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *User knows his role with which to login.* | | | |
| Pre-Requisite: | | *User be on the login page* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *User goes to the login page using the systems name and then selects the respective role and gives valid credentials to login.* | | | *System allows user to login.* | |
| Comments: System works properly as desired. | | | | | |
| ***Passed****Failed* *Not Executed* | | | | | |

### Edit Profile

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Management** | | | | | |
| **7** | | | | | |
| Test Case ID: | | *2* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Update profile* |
| Revision History: | | *-* | | | |
| Objective | | *User should be able to make changes to the profile.* | | | |
| Product/Ver/Module: | | *User module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *User knows where to update profile information.* | | | |
| Pre-Requisite: | | *User is logged in.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *User goes to the settings page, then press edit from where he can update the information.* | | | *User updated his information successfully.* | |
| Comments: System allows user to update his profile. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Change Password

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Management** | | | | | |
| **7** | | | | | |
| Test Case ID: | | *3* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Update profile* |
| Revision History: | | *-* | | | |
| Objective | | *User should be able to update password.* | | | |
| Product/Ver/Module: | | *User module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *User knows where to update password* | | | |
| Pre-Requisite: | | *User is logged in and knows his old password.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *User goes to the settings page and press change password where the password is updated after entering both new and old password* | | | *User updated his information successfully.* | |
| Comments: System allows user to update password. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Search

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Management** | | | | | |
| **7** | | | | | |
| Test Case ID: | | *4* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Search* |
| Revision History: | | *-* | | | |
| Objective | | *User should be able to perform respective searches.* | | | |
| Product/Ver/Module: | | *User module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *User actually knows what to search for (what is he trying to do)* | | | |
| Pre-Requisite: | | *User is logged in* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *User goes to the search bar and selects the category to be search and then enters search keywords and clicks search.* | | | *User is able to search information successfully.* | |
| Comments: System allows user to search respective things successfully. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Accept/Reject Prisoner Transfer Request (Jailer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prisoner Transfer Management** | | | | | |
| **1** | | | | | |
| Test Case ID: | | *5* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Manage prisoner transfer requests.* |
| Revision History: | | *-* | | | |
| Objective | | *Jailer should be able to manage prisoner transfer request.* | | | |
| Product/Ver/Module: | | *Transfer Request module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jailer knows how to accept/reject a request.* | | | |
| Pre-Requisite: | | *Jailer is logged in to the system.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jailer log in and see the pending requests among which he can see the details and then accept/reject a request.* | | | *Jailer is able to accept/reject transfer request.* | |
| Comments: System allows jailer to manage requests. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Transfer Request (Court Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prisoner Transfer Management** | | | | | |
| **1** | | | | | |
| Test Case ID: | | *6* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Initiate/Modify PrisonerTransfer Request* |
| Revision History: | | *-* | | | |
| Objective | | *Court Officer can initiate/modify a prisoner transfer request* | | | |
| Product/Ver/Module: | | *Transfer Request Module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Court Officer knows how to initiate/modify a transfer request* | | | |
| Pre-Requisite: | | *Court Officer is logged in to the system.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Court Officer selects the specific button to initiate a transfer request. He can also update/delete the request.* | | | *Court Officer initiates/modify a transfer request successfully.* | |
| Comments: System allows court officer to initiate/modify transfer request. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoners Complaint (Court Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Complaint Management** | | | | | |
| **4** | | | | | |
| Test Case ID: | | *7* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Initiate/Modify Prisoner Complaint* |
| Revision History: | | *-* | | | |
| Objective | | *Court Officer can initiate/modify Prisoner Complaint request* | | | |
| Product/Ver/Module: | | *Complaint Module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Court Officer knows how to initiate/modify Prisoner Complaint* | | | |
| Pre-Requisite: | | *Court Officer is logged in to the system.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Court Officer selects the specific button to initiate a Prisoner Complaint. He can also update/delete the request.* | | | *Court Officer initiates/modify a Prisoner Complaint successfully.* | |
| Comments: System allows court officer to initiate/modify complaint request. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Resolve Complaint (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Complaint Management** | | | | | |
| **4** | | | | | |
| Test Case ID: | | *8* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Resolve Complaint* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can resolve a complaint* | | | |
| Product/Ver/Module: | | *Complaint Module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to resolve a complaint* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to resolve a prisoner complaint.* | | | *Jail Officer resolves a Prisoner Complaint successfully.* | |
| Comments: System allows Jail officer to resolve complaint request. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prisoner Profile Management** | | | | | |
| **6** | | | | | |
| Test Case ID: | | *9* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner profile.* | | | |
| Product/Ver/Module: | | *Prisoner Management Module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner profile.* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner profile.* | | | *Jail Officer is able to add/update/delete a prisoner profile.* | |
| Comments: System allows jail officer to add/update/delete a prisoner profile. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Crime (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Crime Management** | | | | | |
| **8** | | | | | |
| Test Case ID: | | *10* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner crime.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner crime.* | | | |
| Product/Ver/Module: | | *Prisoner Management Module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner crime.* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner crime.* | | | *Jail Officer is able to add/update/delete a prisoner crime.* | |
| Comments: System allows jail officer to add/update/delete *prisoner crime*. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Community Task (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Community Task Management** | | | | | |
| **5** | | | | | |
| Test Case ID: | | *11* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner community task.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner community task.* | | | |
| Product/Ver/Module: | | *Community Task Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner community task.* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner community task.* | | | *Jail Officer is able to add/update/delete a prisoner community task.* | |
| Comments: System allows jail officer to add/update/delete *community task*. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Visitor (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Visitor Management** | | | | | |
| **2** | | | | | |
| Test Case ID: | | *12* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner visitor.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner visitor* | | | |
| Product/Ver/Module: | | *Visitor Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner visitor* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner visitor.* | | | *Jail Officer is able to add/update/delete a prisoner visitor* | |
| Comments: System allows jail officer to add/update/delete *visitor* | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Assets (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Asset Management** | | | | | |
| **9** | | | | | |
| Test Case ID: | | *13* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner asset.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner asset* | | | |
| Product/Ver/Module: | | *Asset Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner asset* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner asset.* | | | *Jail Officer is able to add/update/delete a prisoner asset* | |
| Comments: System allows jail officer to add/update/delete *asset* | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Beneficiary (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Beneficiary Management** | | | | | |
| **3** | | | | | |
| Test Case ID: | | *14* | QA Test Engineer: | | *Khuram* |
| Test case Version: | | *1* | Reviewed By: | | *Ali* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner beneficiary.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner beneficiary* | | | |
| Product/Ver/Module: | | *Beneficiary Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner beneficiary* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner beneficiary.* | | | *Jail Officer is able to add/update/delete a prisoner beneficiary* | |
| Comments: System allows jail officer to add/update/delete *beneficiary* | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Imprisonment (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Imprisonment Management** | | | | | |
| **10** | | | | | |
| Test Case ID: | | *15* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner imprisonment.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner imprisonment* | | | |
| Product/Ver/Module: | | *Imprisonment Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner imprisonment* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner imprisonment.* | | | *Jail Officer is able to add/update/delete a prisoner imprisonment* | |
| Comments: System allows jail officer to add/update/delete *imprisonment* | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Add/Update/Delete Prisoner Court Visit (Jail Officer)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Imprisonment Management** | | | | | |
| **10** | | | | | |
| Test Case ID: | | *16* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Add/Update/Delete prisoner court visit.* |
| Revision History: | | *-* | | | |
| Objective | | *Jail Officer can add/update/delete a prisoner court visit* | | | |
| Product/Ver/Module: | | *Court Visit Management* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *Jail Officer knows how to add/update/delete a prisoner court visit* | | | |
| Pre-Requisite: | | *Jail Officer is logged in to the system and has opened a specific prisoner profile.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *Jail Officer selects the specific button to add/update/delete a prisoner court visit.* | | | *Jail Officer is able to add/update/delete a prisoner court visit* | |
| Comments: System allows jail officer to add/update/delete *court visit* | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

### Logout of the system

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Management** | | | | | |
| **7** | | | | | |
| Test Case ID: | | *17* | QA Test Engineer: | | *Uzair* |
| Test case Version: | | *1* | Reviewed By: | | *Saqib* |
| Test Date: | | *02/01/21* | Use Case Reference(s): | | *Logout to the system* |
| Revision History: | | *-* | | | |
| Objective | | *User should be able to log out.* | | | |
| Product/Ver/Module: | | *Logout module* | | | |
| Environment: | | *Web browser* | | | |
| Assumptions: | | *User knows how to log out.* | | | |
| Pre-Requisite: | | *User must be logged in.* | | | |
| Step No. | Execution description | | | Procedure result | |
| 1 | *User can click logout button from anypage.* | | | *System allows user to log out.* | |
| Comments: System works properly as desired and allow user to logout. | | | | | |
| ***Passed*** *Failed Not Executed* | | | | | |

## Access Control Testing

Our project strictly follows of the principles of access control system. Firstly, the system does not allow any actions without the respective user being logged in to the system. In simpler words, any user cannot perform a task if the user is not logged into system using valid credentials. The systems landing page is always the Login page and from here onwards any user can login. Moreover, the system only gives access of respective user interfaces to the users so that system’s integrity is not challenged at all. Furthermore, users can perform only tasks that they are affiliated to perform. No user can perform tasks of any other user as access control is been taken care of well in the system.

## Test Metrics

|  |  |
| --- | --- |
| Metric: | Purpose |
| Number of Test Cases: | 17 |
| Number of Test Cases Passed: | 17 |
| Number of Test Cases Failed: | 0 |